

In the Specification

Kindly correct the following PAGES of the specification.

PAGES 4-5, delete the entire paragraph immediately following the heading "SUMMARY OF THE INVENTION" on page 4 and ending at the middle of page 5.

PAGE 5, correct the first full paragraph as shown below:

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According to ~~another aspect~~ of the invention, a multi-mode receiver for detecting desired radio frequency (RF) signals having relatively wide and narrow bandwidths about a common RF center or carrier frequency, includes a front end stage having an input adapted to connect with an antenna responsive to the desired RF signals, a preselector for amplifying the signals input by the antenna and having a wide band RF filter with a pass band sufficient to pass both of the desired wide and narrow bandwidth signals about the center RF frequency, and a mixer for converting signals output by the preselector to frequencies within an intermediate frequency (IF) band.

PAGE 6, after the first paragraph, insert two *new* paragraphs shown below:

According to one aspect of the invention, the first IF channel is coupled to the output of the front end stage through the wide band IF filter of the second IF channel.

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cont
According to another aspect of the invention, the second IF channel includes a limiter coupled to an output of the wide band IF filter, and the wide band IF filter is configured to reject potentially interfering signals by an amount sufficient to

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prevent the limiter from being captured by the interfering signals.

PAGE 8, first full paragraph, correct the text as shown below:

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FIG. 1 is a functional block diagram of a transponder 10 including a receiver assembly 12 and a transmitter assembly 14. The receiver assembly 12 includes two substantially identical receivers 20, each with an input terminal 22 adapted for coupling to a separate receiving antenna 24 or 26 for diversity performance. For example, a top antenna 24 associated with one of the receivers, and a bottom antenna 26 associated with the other receiver, may be deployed at corresponding top and bottom positions on an aircraft body. Each receiver 20 is configured to respond, for example, to desired Mark XII SIF Modes 1, 2, 3/A, C and Mode 4, as well as to desired Mode S and Mode 5 interrogating signal waveforms. An overall block diagram of one of the receivers 20 is given in FIG. 2.